

MONTGOMERY COUNTY, MARYLAND TRANSPORTATION TECHNICAL WORKING GROUP FOR CLIMATE ACTION PLANNING

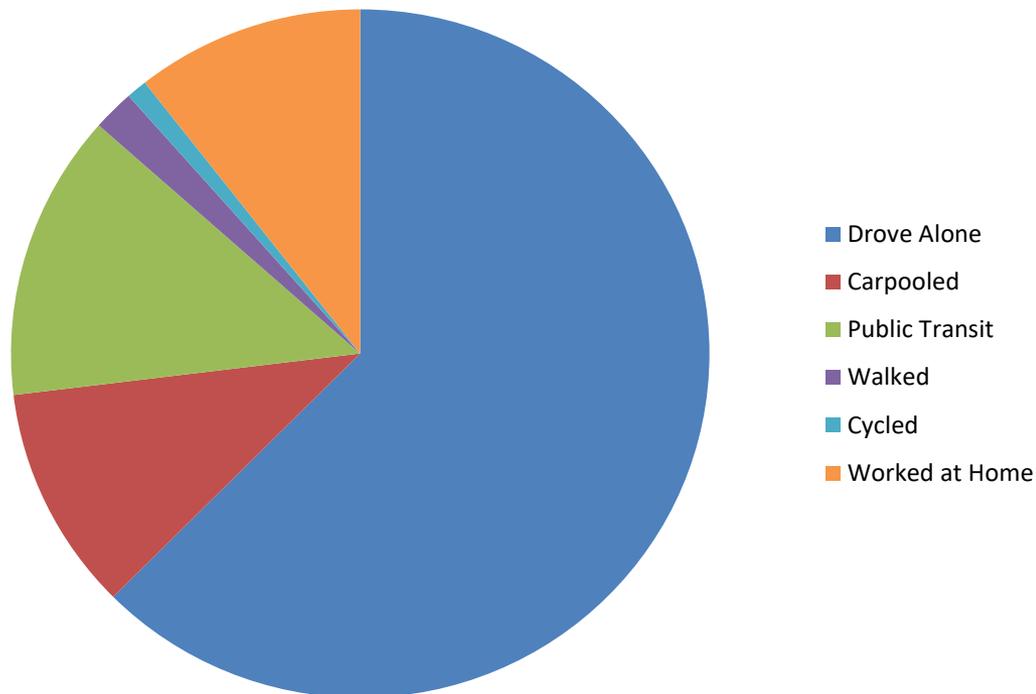
Evaluation Sub-Group

Diane Cameron, Chair

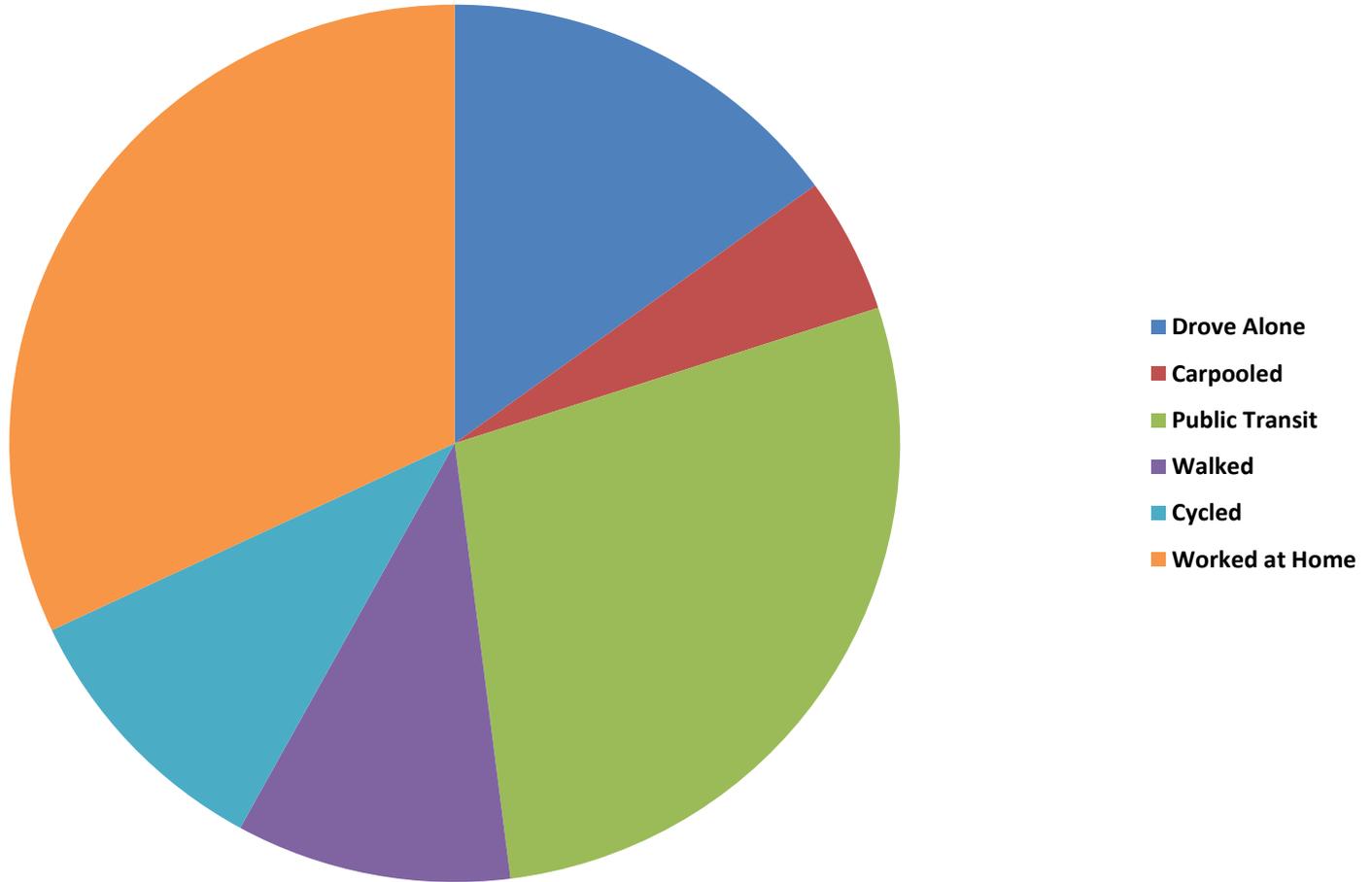
December 10, 2019

- The Evaluation Sub-Group performed a spreadsheet analysis of the **Sustainable Transportation Demand Management (TDM) Vision for 2035: Baseline/BAU; TDM Vision; and TDM Moderate.**

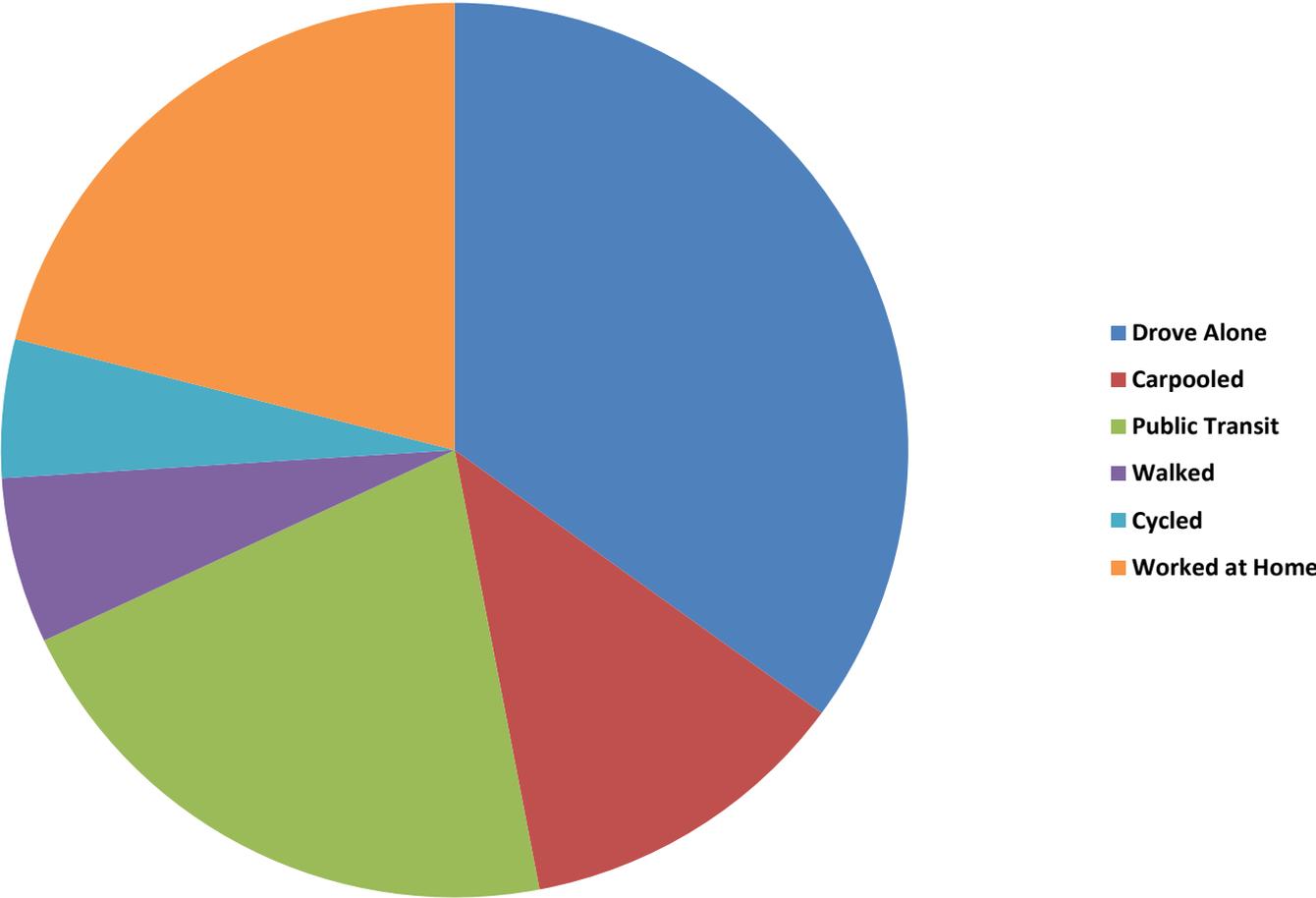
Baseline: Current Mix as of 2019



TDM - 2035 Scenario- percentage of commuters taking this mode



Moderate Scenario 2035 - percentage of VMTs



Evaluation Sub-Group Spreadsheet Analysis

- * The TTWG Evaluation Sub-Group evaluated the Transportation Demand Management 2035 Scenario. (TDM 2035 Scenario).
- * Mix of transportation modes for a Baseline Scenario plus two 2035 Scenarios. Presentation by Adriana Hochberg, How Are We Doing, provided numbers for GHG baseline, current modal mix.
 - Compare with 2019 baseline modal mix and 2005 GHG emissions.
 - GHG emission estimates: Multiply predicted Vehicle Miles Traveled for a given mode, by an emissions factor.
 - TDM 2035 Scenarios assume 100% conversion to all-electric vehicles by 2035, with public transit vehicles using most advanced and efficient electric technology.
 - * Baseline / BAU for 2035 uses TPB data (Kant Shrikanth presentation 8/13/19).
 - * The TDM 2035 Scenario describes a shift to people-centric transportation modes, and away from private vehicles.
 - TDM 2035 Scenario (including Moderate Scenario) assumes no new highways and no expanded highways are built between 2019 and 2035.
 - Investments in transit, walkability, bikability, and working from home

Examples of County Actions to Implement the Montgomery County, Maryland Sustainable Transportation Demand Management (TDM) Vision for 2035

- Take immediate legal action to stop the widening of I-270 and I-495.
- Take immediate action to remove proposed Mid-County Highway Extended (M83) from the Master Plan of Highways (MPOH) and local Master Plans.
- I-270, I-495 expansion, & M-83/MidCounty Highway Extended, would expand fossil fuel transportation infrastructure in MontCo, further lock-in increased carbon emissions.
- These actions confirm MontCo's shift to people-centric, climate-transportation solutions, free up resources for transit.

Conclusion

- In our evaluation of the TDM 2035 Scenario, we found that Greenhouse Gas emissions in 2035 are reduced from 80 to 90 percent over 2005 levels.

